

Library Update

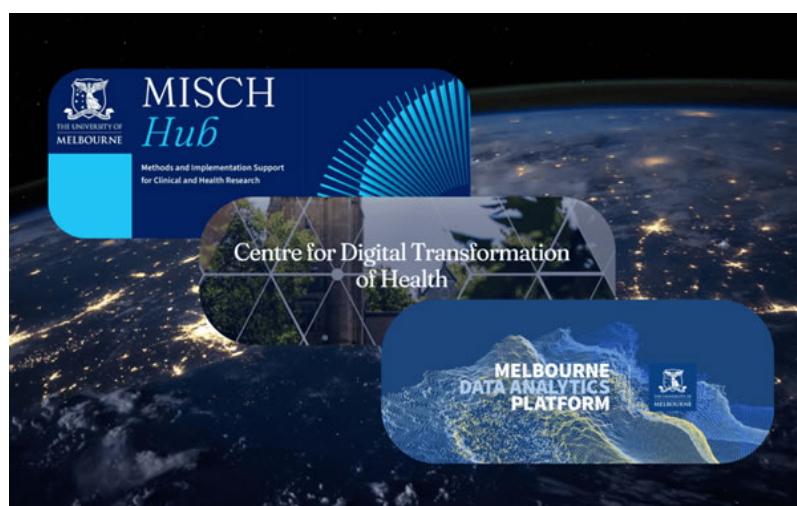
No.10, 3rd November, 2025

MACH EMCR Research Design Webinar Series 2025

In 2025 the Melbourne Academic Centre for Health (MACH) presented an [eight-part webinar series](#), exploring research design tailored specifically for early and mid-career researchers.

The sessions are ideal for researchers, clinicians, and health professionals seeking to strengthen their analytical, methodological, and collaborative skills.

Topics offer practical insights into emerging methods, technologies, and concepts in health research.



1. [Data Analytics in Health & Medicine](#): Explore MDAP's multidisciplinary approach to data management, deep learning, natural language processing, and data governance.
2. [AI in Healthcare: The \(Future\) Role of Clinical Artificial Intelligence](#): Learn how AI and machine learning are being applied in real-world healthcare settings.
3. [Statistical Significance vs. Clinical Significance](#): Clarify common misconceptions about p-values and understand how to interpret results with clinical meaning.
4. [Co-design and consumer involvement in clinical trials](#): Discover practical strategies for engaging consumers meaningfully in research design and implementation.
5. [Designing health research projects that leverage digital technology](#): Gain an introduction to digital health research methods and how to overcome common design hurdles.
6. [Melbourne Data Analytics Platform \(MDAP\) support for health and medical researchers](#): Find out how to collaborate with MDAP specialists across the full research lifecycle.
7. [Systematic reviews and meta-analysis](#): Learn key steps, models, and approaches for conducting systematic reviews and interpreting heterogeneity.
8. [Trial-Based vs Model-Based Cost-Effectiveness Analyses: Methodologies and Decision-Making Criteria in Healthcare](#): Understand methodologies for assessing value for money in healthcare interventions.

Top 50 most-cited campus publications: updated

[This list](#) is updated every three to four months; significant changes are unlikely to occur more frequently.

We compile the list using *Scopus*.



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NHMRC: *Speaking of Science*

Catch up on the NHMRC's [Speaking of Science](#) series of webinars, and hear from leading Australian researchers translating discovery into real-world health outcomes.

Aimed at clinicians, policy makers and health service leaders, the 2025 program highlighted research at the interface of science, care delivery and community impact.

Across the year, presenters explored: how genomics is reshaping mental-health care; advances in women's sexual and reproductive health; engineering breakthroughs in artificial hearts; and new therapeutic frontiers in cancer.

Other sessions examine consumer leadership in research, culturally safe practice led by First Nations investigators, and emerging evidence on neural physiology and chronic disease.

The webinars are free, and designed to help health professionals stay connected with the research driving future models of care. Also see past webinars, and sign up to hear about future events.



Library Training: coming sessions

Improve your literature searching skills at the Library

[See the Library website](#) for full session details.

If you can't make it to the scheduled sessions, [contact us](#) to arrange individual or group sessions at a time that suits you. Charges apply for EndNote sessions only; all other Library training is free.

Nursing & Allied Health.....	Tue 18 Nov, 10:00 am
Cochrane Library.....	Fri 21 Nov, 1:00 pm
EndNote Tutorial 1.....	Tue 11 Nov, 12:00 pm
EndNote Tutorial 2.....	Tue 18 Nov, 12:00 pm
EndNote Demonstration.....	Tue 18 Nov, 12:00 pm
Finding the Evidence	Fri 14 Nov, 10:00 am
Introduction to the Library	Tue 11 Nov, 3:00 pm
Ovid Medline	Wed 12 Nov, 2:00 pm

Wellbeing and appreciation events

November	NICU Awareness Month
November 8	Australian Food Safety Week*
November 8	World Radiography Day
November 10	National Recycling Week
November 10	World NET Cancer Awareness Day
November 12	World Pneumonia Day
November 14	World Diabetes Day
November 16	International Day for Tolerance
November 17	World Prematurity Day
November 18	World Antimicrobial Awareness Week
November 20	World Children's Day
December 1	World AIDS Day

* Australian Food Safety Week: 8 to 15 November

The theme for 2025 is *Don't swallow the myth – Food safety myth busting* and encourages everyone to not 'swallow' food safety myths.

There are an estimated 4.67 million cases of food poisoning in Australia each year that result in 47,900 hospitalisations, 38 deaths and cost to the economy of \$3 billion.

[The Food Safety Information Council](#) website has plenty of [myth-busting tips](#) and [resources, event registration](#), and even a 1-minute [food safety mythbusting quiz](#).



Library Update

LibKey Nomad browser extension: one-click full text

LibKey Nomad provides PDF download links to Library-subscribed fulltext articles on many journal platforms and publisher websites

[Get started now](#)

When searching the open web for full text articles, you'll see a notification appear at the bottom left of your screen if content is available to you.

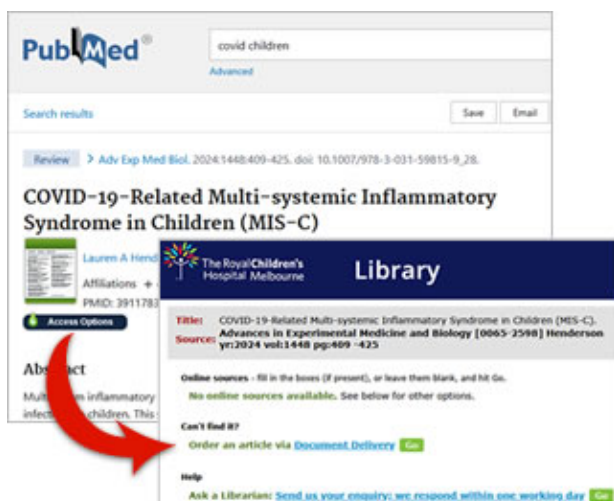
Additionally, some sites may offer a "View Complete Issue" link. This takes you to [Browse](#), a journal viewing platform which is fully integrated with the Library's journals database.

Examples from PubMed searches

LibKey detects here that we have access to this full text article and provides a direct link:



In this instance LibKey provides other options, such as a link to a pre-filled Document Delivery request form:



ClinicalKey Clinical Overviews: latest updates

These evidence-based summaries are designed to support quick decision-making at the point of care

They cover a variety of topics and are updated monthly.

Recently added or updated topics include:

- [Acute Abdominal Pain in Children Aged 1-5 Years - Approach to the Patient](#)
- [Acute Abdominal Pain in Children Aged 6-11 Years - Approach to the Patient](#)
- [Acute Lymphoblastic Leukemia in Children](#)
- [Allergic Rhinitis](#)
- [Bacterial Meningitis in Children](#)
- [Eczema and Atopic Dermatitis](#)
- [Lymphadenopathy Evaluation in Children](#)
- [Management of Rhabdomyosarcoma in Children](#)
- [Noninvasive Respiratory Support in Infants and Children](#)
- [Non-Wilms Kidney Tumors in Children](#)
- [Pediatric Acute-onset Neuropsychiatric Syndrome \(PANS\)](#)
- [Petechiae and Purpura in Children - Approach to the Patient](#)
- [Rhabdomyosarcoma in Children](#)
- [Scabies](#)
- [Vitamin A Deficiency](#)

EndNote Tip: stop EndNote changing the case of terms

When certain words or acronyms appear in a book or article title, EndNote may change the capitalisation according to the style you are using.

You can add terms to an exclusion list so that EndNote does not change the case of words that should be capitalised in a certain way.

This is useful for acronyms, gene names, proper nouns, equations, or compound words.

[See the how-to steps](#) on the Library website.

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Recent Australian health reports

Australia's mothers and babies

This report consolidates information on pregnancy, birth experiences, and outcomes of mothers and babies in Australia over time. The report covers the antenatal period, labour and birth, outcomes for babies at birth, perinatal deaths (stillbirths and neonatal deaths) and maternal deaths. The data are largely drawn from the National Perinatal Data Collection (NPDC), the National Maternal Mortality Data Collection (NMMDC), the National Perinatal Mortality Data Collection (NPMDC) and the Maternity Models of Care Data Set (MoC DS). [Read the report.](#)

Autism: an evidence brief

This evidence brief examines childhood autism, including claims around paracetamol and vaccination. It addresses misinformation and explains the science that demonstrates that there is no evidence for a causal link between autism and paracetamol, or autism and vaccines. It outlines the causes of autism, autism trends in Australia and factors linked to the rising prevalence of autism. [Read the report.](#)



Footprints in time: the LSIC early childhood report

This report explores early childhood experiences and the ways these experiences relate to later outcomes (during middle childhood and adolescence) for Aboriginal and Torres Strait Islander children and their families. The study follows the development of more than 1,700 Aboriginal and Torres Strait Islander children and their families living in cities, regional towns and remote communities across Australia. The report includes stories from families and community members who took part. [Read the report.](#)



General practice: health of the nation 2025 - An annual insight into the state of Australian general practice

An annual report that provides insights into the state of general practice in Australia. The report examines current and emerging health issues and patient access to care, as well as profiling the workforce, job satisfaction and business of general practice. [Read the report.](#)

The growth and drivers of Australian public hospital costs and prices - Analysis and recommendations

An investigation of the underlying drivers of recent cost growth in Australian public hospital services.

The report identifies several key cost growth factors and provides nine recommendations for consideration by the Board of Treasurers to inform ongoing negotiations on the next five-year National Health Reform Agreement expected to commence in July 2026. [Read the report.](#)



Injury in Australia

Injury is a major cause of hospitalisation and death in Australia. This report presents annual updates of injury related emergency department (ED) presentations, hospitalisations and deaths, including trends over the preceding decade.

Younger people were more likely to present to ED for injuries than adults, with crude rates of presentation for 0-4-year-olds of 11,156.5 per 100,000 population [Read the report.](#)



Mental health

This site describes the activity and characteristics of Australia's health and social care services accessed by people with a mental illness.

Recent reports include: *Admitted patient mental health-related care*; *State and territory mental health-related emergency department services*; *Mental illness burden of disease*; and *Mental illness burden of disease: First Nations*. [Read the report.](#)

Next steps in developing a national newborn hearing screening data set

Between June 2023 and September 2024, the AIHW was contracted to progress development of nationally comparable data items that could support a future national data collection for newborn hearing screening.



This report summarises the work of this project and outlines the recommended next steps to develop a national data collection. [Read the report.](#)

Health and Science News

AI has designed thousands of potential antibiotics.

Will any work?: Machine learning can speed up the discovery of potential antibiotics, but challenges remain. [\[Nature\]](#)



- **WHO warns of widespread resistance to common antibiotics worldwide:** Between 2018 and 2023, antibiotic resistance rose in over 40% of the pathogen-antibiotic combinations monitored, with an average annual increase of 5–15%. [\[WHO\]](#)
- **'Footprint of Death' gives new clues to cell life, spread of disease:** Researchers hope the discovery could lead to better understanding and eventually better therapies for infectious and autoimmune disease. [\[Scimex\]](#)
- **11 million lives lost each year: urgent action needed on neurological care:** Less than one in three countries around the world has a national policy to address the growing burden of neurological disorders. [\[WHO\]](#)
- **Calls for Australia to follow England's ban on supermarket junk food specials:** Research confirmed supermarkets continue to put unhealthy food on special twice as often as more nutritious alternatives. [\[ABC\]](#)
- **Our study of 267,000 kids reveals the hidden burden of multiple developmental conditions:** The more neurodevelopmental conditions a child has, the higher their risk of depression and anxiety. [\[The Conversation\]](#)
- **Antibiotic resistance fuels sepsis crisis in newborns:** Australian-led research finds frontline treatments are failing sick babies across Southeast Asia, prompting urgent calls to overhaul global guidelines. [\[Medical Republic\]](#)
- **How to find the papers you need to read — and avoid the ones you don't:** No single method will solve the challenge of staying on top of the literature. ... filtering has become a required skill. What works best is often a combination of strategies. The key is to find a system that matches your goals, time and curiosity, and to revisit it periodically as your research focus evolves. [\[Nature\]](#)
- **Fraud, AI slop and huge profits: is science publishing broken? [podcast – 18 minutes]:** Scientists are warning that academic publishing needs urgent reform in order to retain trust in the research system. [\[The Guardian\]](#)

- **How 20 minutes of nature can boost your health:** Even small touches of nature at home can make a difference, even a photo of a forest can help. [\[BBC\]](#)
- **Alarming number of people now vape, says WHO:** More than 100 million people, including at least 15 million children, use e-cigarettes, fuelling a new wave of nicotine addiction. [\[BBC\]](#)
- **Benefits of blue and green spaces for boosting child wellbeing unveiled:** Preschool children with more backyard space and those who live closer to parks and water do more active play than children from other neighbourhoods. [\[Scimex\]](#)

Peanut allergies have plummeted in children, study shows: Food allergy rates in children under 3 dropped to 0.93 percent from 1.46 percent, driven largely by a 43 percent drop in peanut allergies. [\[New York Times\]](#)



- **Reusing medical equipment is good for the planet. But is it safe?:** Australia's health-care system produces up to 7% of the country's total greenhouse gas emissions. Hospitals are the single biggest contributor. [\[Hospital Health\]](#)
- **Record-high flu season as jab rates stall, GPs warn:** With some 410,000 cases of influenza reported this year, figures already exceed 2024's record 365,000 case numbers and are driven largely by slumping vaccination rates. [\[Health Times\]](#)
- **Fertility rate hits record low as parents' ages climb:** The fertility rate, which is the number of babies born per woman, dipped to 1.481 in 2024, lower than 1.499 in 2023 and 1.795 in 2014. [\[Health Times\]](#)
- **Global resurgence of pertussis in infants:** The biggest concern is the renewed burden among infants under 3 months. In many high income countries adolescents and adults have become the main source of pertussis transmission. [\[BMJ\]](#)
- **New inhaler halves childhood asthma attacks:** Findings from a trial comparing the real-world effectiveness of asthma inhalers could reshape how children with asthma are treated. [\[Science Daily\]](#)

Options to access full text articles: follow the DOI link; search for the PMID at [PubMed](#); or search for the journal title in our [database](#). An [OpenAthens account](#) is required for remote access. Make a [Document Delivery request](#) for items we don't have. [Get LibKey for one-click access](#).

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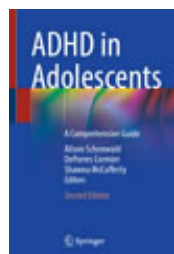
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Library Update

BOOKS

[online]

[ADHD in adolescents: a comprehensive guide](#) / edited by Alison Schonwald, DePorres Cormier, Shawna McCafferty. 2nd ed. Springer, 2025



This text includes three distinct sections that explore essential aspects of ADHD in adolescents. The first section provides detailed yet accessible best-practices of diagnosis and treatment. The second section takes a deep dive into the many disorders that mimic and co-occur with ADHD. The final and third section focuses on critical topics related to adolescent ADHD: the all new chapter on Girls and ADHD, along with the hard to find chapters on Race, Culture, and Ethnicity in ADHD, as well as Relationships, Sexuality, and Sexual Behavior in Adolescents with ADHD.

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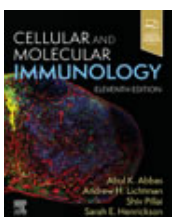
[Anal and perianal conditions in children](#) / by Ahmed H. Al-Salem. Springer, 2025



The book focuses on anal and perianal conditions in children and serves as a useful and quick reference for pediatric surgeons, pediatricians, general surgeons, family physicians, emergency room physicians, fellows, residents, nurses, and students. Anal and perianal diseases are not rare in children and can cause significant discomfort, pain, disability, and disruption to the daily routine of both the child and their family. These conditions include both congenital and acquired diseases, such as anal fissures, rectal prolapse, hemorrhoids, perianal abscesses, and fistulas. Other disorders include sacrococcygeal teratoma, anorectal malformations, and anterior ectopic anus. Additionally, perianal dermatitis, which can be allergic, bacterial, fungal, diaper-related, or contact-induced, is a common inflammatory condition affecting infants and children.

[online]

[Cellular and molecular immunology](#) / by Abul K. Abbas. 11th ed. Elsevier, 2026



Offering an unparalleled introduction to this complex field, this book retains a practical, clinical focus while updating and revising all content to ensure clarity and comprehension, bringing readers fully up to date with new and emerging information in this challenging area. It's an ideal resource for medical, graduate, and undergraduate students, as well as a trusted reference for physicians and scientists.

[online]

[Child-centred music therapy: integrating best interest of the child into theory, research, and practice](#) / by Viggo Kruger, Kathleen M. Murphy. Springer, 2025



This open access book draws on recent developments in children's rights, particularly concerning the child's right to participation, provision and protection. Since 1989, the UNCRC has become a catalogue of rights that expresses legal norms used by all countries in the world. The UNCRC can be considered a toolkit that expresses a normative order, that is, a human rights standard for how to legitimately protect children, and to facilitate processes of participation.

For many children and adolescents music is a significant source for gaining health and social/cultural participation. Music then, has the potential for realizing values inherent in the UNCRC. The main aim of this book is to utilize The United Nations Conventions on the Rights (UNCRC) as a tool to give an overview of relevant themes, and to critically explore what implications the convention has for the profession of music therapy, and more specifically, music therapy for children and adolescents.

[online]

[Navigating AI in mental health care: innovations, ethics, and future trends](#) / by Susmita Halder, Bibhrajit Halder, Akash Kumar Mahato. Springer, 2025



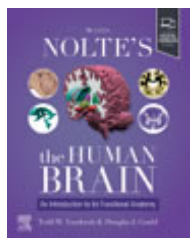
This book is structured to guide the reader through a journey of discovery and implementation, in terms of diagnosis, assessment, and management of mental health problems. It explores AI-driven diagnostic tools, illustrating how machine learning algorithms can identify patterns and predict mental health conditions. It highlights AI-assisted therapy and showcases examples of virtual therapists and chatbots for support and intervention.

This book also tackles ethical considerations, demonstrating how an integrated AI upholds patient privacy and autonomy. With a focus on emerging trends, it reveals the transformative potential of AI in mental health care on a global scale. An indispensable resource for mental health professionals, researchers, and policymakers, this book provides a comprehensive understanding of how AI can optimize treatment plans, enhance diagnostic accuracy, and deliver personalized care.

Library Update

[online]

[Nolte's The human brain: an introduction to its functional anatomy](#) / edited by Todd W Vanderah, Douglas J. Gould. 9th ed. Elsevier, 2026



This highly regarded textbook demystifies the complexities of all key topics in functional neuroanatomy and neuroscience, using a clear writing style, interesting examples, and high-quality visual cues to provide the ideal depth of well-rounded coverage. It uses a succinct, easy-to-understand writing style and plentiful diagrams to help you understand a difficult and often intimidating subject, and features highly templated, concise chapters that reinforce and expand your knowledge.

The book includes more *Clinical Focus Boxes* throughout, including neuropathology and neuropharmacology. It also provides a real-life perspective through clinically relevant examples, up-to-date neuroimaging techniques, integrated coverage of neurogenetics and neuroimmunology, and superb illustrations that support and explain the text. A glossary of key terms elucidates every part of the text, complemented by 3-dimensional images of the brain and the most up-to-date terminology throughout.

This text helps you gauge your mastery of the material and build confidence with multiple choice questions that provide effective chapter review and quick practice for your exams.

[online]

[Positive youth development: integrating research and practice](#) / Mary E. Arnold. Springer, 2025



This book presents positive youth development research in easy-to-understand concepts that have direct and clear application to youth development practice. Using the 4-H Thriving Model as an example, it discusses key areas of youth development research, such as

developmental settings, learning and development, and youth thriving, in the context of their relevance to effective youth development practice.

Each chapter examines a particular aspect of youth development research, providing a succinct summary of the topic, detailing implications for youth development practice, and offering guidance for translating the research into practice.

Contributors introduce the need for high-quality, science-based youth development programs, the importance of high-quality youth development settings, critical facets of youth thriving, and the benefits of such programs to society writ large.

[online]

[Psychosis in adolescents and adults with intellectual disabilities: new knowledge and clinical implications](#) / edited by Trine Lise Bakken. Springer, 2025



This book provides an overview of the characteristics of psychosis and psychotic symptoms, as well as treatment and interventions, in adolescents and adults with intellectual disabilities. It guides readers to understand key principles in diagnostic assessment, differential

diagnostics, and treatment by examining the manifestations of psychotic symptoms and providing diagnostic tools and checklists. The research history and phenomenology of the symptoms is complemented with a discussion of the most common diagnostic challenges: is it psychosis, or autism spectrum disorder, PTSD, OCD, anxiety, or physical or neurological disorders, or physical pain?

This volume includes perspectives on developmental, behavioural, emotional, and language impairments, and the importance of these factors in establishing adequate therapy. Combination therapy of antipsychotics and psychosocial interventions is discussed, including psychotherapy, psychoeducation, group therapy, and multifamily groups. Drawing on research-based practice, the authors present several treatment settings to support people with intellectual disabilities and their families, as well as specialist in- and outpatient mental health services, habilitation services, and community services.

[online]

[The future of coaching: building bridges between science and practice](#) / by Siegfried Greif. Springer, 2025



This open access book builds bridges between the science of coaching and coaching practice by analyzing the effects of coaching in detail and improving its practical effectiveness. Written by a proven expert in the field, it scrutinizes old and new methods of coaching and substantiates what still works and what

does not. It provides guidance to sift the science from pseudoscience and charlatanism. Some of the topics it covers are: Simple and complex questioning methods, vision development, values analysis, strengths maps, narrative coaching, changing habits, executive communication, conflicts, stress management, burnout, health behavior, team coaching and coaching for organizational change (including e-coaching tools and artificial intelligence).

The book collates the findings in an integrative, systemic theory of "result-oriented coaching" that is open to change, and addresses future developments in the coaching market, digitalization and artificial intelligent systems in coaching, with a plea for humanistic, science-driven and practice-based coaching.